4

# Pulmicort Turbuhaler® 200 mcg

(budesonide inhalation powder)

For Oral Inhalation Only.

Buoexonide, the active component of PULMICORT TURBUHALER 200 mog, is a continuateroid designated nonzerous, are dure componing in Profition in Transcriptory 2001 and 11 a correctation displayed commissibly as [RS]->19.166.17.21-Tellaydroxyprespina-1,4-olena-2,20-diona-cyclic 16,17-acatal with butyraldahyda. Budesonida is provided as a mixture,of low approximation (22R and 22S). The empirical formula of budesonida is C<sub>23</sub>H<sub>22</sub>O<sub>4</sub> and dis mosecular weight is 430.5. Ms structural formula is:

isdesconide is a white to off-white, testeleas, octoriess powder that is practically insoluble in white and in splane, spannoly souble is situanol, and freely soluble in chicroform. Its partition, coefficient between Eurol and water of pH 7.4 is 1.0 f. 10°.

Prod and water at pH 7.4 is 1.6.1 (P. ).

MICORT TURBUHALER is an inhalation-driven multi-dose dry powder inhalat which contains only micronized budesonide. Each actuation of PULMICORT TURBUHALER, provides 200 mag budesonide par material fosse, which delivers approximately 160 mag budesonide from the mouthpiece (based on in view tasting at 60 Uman for 2 sec). The anticut of drop delivered to the lange will depend on patient actives such participation will be story to we less Patient's Insurctions for Use). In adult patients with softman man FV, 251 (p.s. 5.1 Cl.) map past inspiratory flow (PIR) Intrody RD, MICORT TURBUHALER was 18 (45-111) Limin, Similar results (mean for 12 (4-125) Umrit) were obtained in authorized châdren (8 to 15 years, mean FEV, 2.1-1.0.9, 5.4 Cl.).

MICAL PHARAMACOLOGY

NCAL PHARMACOLOGY
younds is an and inflammalory cordiposheroid that exhibits potent glacocorticolo activity and weak mincordicols activity in stundard in vitro and annual models, budrasonde has perporametally a 200-feld
higher affinity for the phiscocorticols receptor and a 1000-feld higher topical anti-inflammationly potency than
corrisol frat crotion of ear oferms assay). As a measure of systemic activity, budrasonde is 40 times price
colonal than cordial when saministated autocultaneously and 25 times more potent when jugginglatined orange
in the net thymis involvation assay.

in the not trymus involvion assay.

The princes anchanism of continessation actions on instrumention is actions in not treven. Continessations have been shown to have a wide range of inhibitory activities spaints multiple call types, in a principle assamples, and hymphocytes) and, medisears (e.g., histmaney, alignamicial, electricates), and cyticines involved in advoce and continessations, and cyticines involved in advoce and continessation of the statement of

Studies in astronatic patients have shown a historiate ratio between topical and inflammatory activity any systemic, controlled affects over it, wide range of does into PULMICOST TURBURDER. This is explained by a combination of a relatively high local and inflammatory effect, assembly, form page, heapth dependence of crafts above the production of orally absorbed drug [85-95%), and the low polancy photomest metabolists (see babble).

Phenometrolidents.

The scribitly of-PLILMICORT TURBUNUER is due to the parent drug, budesonies in glacocordools recipitor afterly studies, the 22R form was two times as active as the 22R sprints, in vitror studies indicated that the load dome of budesonide do not interconvert-The 22R form was preferentiatly cleared by the lone with systemic cleaners of 1.4 Units 9. 1.0 Units for the 22R form. The terminal bath-life, 2 to 3 hours, was the same for both spirars and was independent of dose. In authoratic patients, budesonide showed 4 Priest increase in ALC and Case with increasing dose after both a single dose any repeated dosing from PULMICORT TURBUHALER.

PULMICORT TORIUMALER.

Absorphion: Alta oral administration of sudiazonide, pact plasma concentration was achieved in about 1 to 2 hours and the absolute systemic availability was 6-13%. In centrast, most of buildapolits delivered to the lungs is systemically absorbed. In healthy subjects, 34% of the material dose-was deposited in the lungs (as assessed by platna concentration method) with an absolute systemic availability of 35% of the meteral dose, the material dose, the processing of the state of the second of the second of the state of the material dose, the second of the second

This substantial the volume of electronic occurred within all ministers of inhalation from PULMICON Distributions. The volume of electronic or electronic particles are presented by the particles of the particles are presented by the particles of the particles o

was observed in human lung and serum preparations.

Excersion: Blossonide was excepted by time and tickes in the form of metabolities: Approximately 60% of an intervenous radiolaterised doct was recovered in the urine. No unchanged bodesonide was debelled with urine.

Special Peoplosineurs. No Historicacidents clienterines have been identified that is note, cender or advanced agit.

Pedilotric: following intervenous dosing is pediatric patients ago 10-14 years; plasma hid-tile-was shorter man in adult 11. Sh is we 2.0 har in notice), in the same population inflamming inhabition of biodesonics via a pressurance meta-rid deserrated, shorted as your examination of biodesonics via a pressurance meta-rid deserrated, shorted as your examination was similar to their laudits.

hepochic hasulficiolmy; Refluced liver traction may affect the alteriaration at controlstension. The pharmaco-tinetics of bucksonice were affected by comprehensed liver function as evidenced by a doubled systemics avail-ability after one logistics. The Intravenous pharmacotinatics of bucksonide were; however, similar in circletic

pulsents and in hisalby subjects.

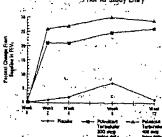
Drug-drug Inherections: Subjects between the process inhibitor of criticiscine P450 30, the satisfactor hardware saying for conficients retained plasma jevels of only inguised budgeonide. At recommended dops cimediate had a stight but cances by insignificant effect on the pharmacokinetics of onal budgeonide.

Phormocodynamics fo confirm that systemic absorption is not a significant factor in the canical inflicacy of inhaled budeconlide, a circles' study is patients with asthria was performed comparing 400 mag budeconide administring his is pressurited mistered does inhaled within a tube spacer to 1400 mag of oral budeconide and placebo. The study demonstrated his effects of inhaled budeconide but not orally indepted budeconide assign comparable sys-temic inveit. Thus, the therepeutic effect of conventional doses of orally inhaled budeconide are librately explained by far-direct action on the respiratory tract.

Security PITAMICORY THRUMALER has a relatively rapid onset of action for an leheled confocustaroid.

Expanse of the onest accounts the configuration used.

Senerally, PULMICORT TURBUNALER has a relatively rapid onset of action for an lehaled conficustaroid, improvement in astrona control following inhalation of PULMICORT TURBUNALER can occur within the configuration of the configu

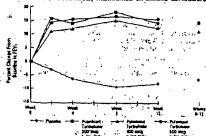


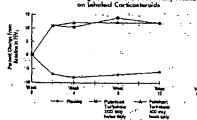
In a 12-month controlled trial in 75 patients not previously receiving controsteroies, PULMICORT TURSURIALER at 200 map twee daily insulted in Improved lung fescion (measured by PEF) and reduced bronchild hyperrescrivity compared to placebo.

## Paliants Previously Maintained on Inhaled Carticosteroids

Positions Previously Misinformed on Inholed Conficusteroids.

The safety and stitung of PULMICORT TURBINAL En was also evaluated in adell and pediatric patients (jugs 6 to 19 years) previously maintained on Inhaled conficusiariside (adulta: N=473, mean baseline FEV, 2.01 L, baseline doses of bedienrefrance depropionate 128-3008 months; pediatrics: N=404, mean baseline FEV, 2.03 L, baseline doses of bedienrefrance dipropionate 125-572 mogtaly or trianscribone actionides 300-1808 months; per personal properties of the second properties of the





### ients Previously Maintained an Oral Carticosteraids

Potients Previously Motinatined an Oral Carticostervida in a clinical trial in 159 severa estimate, capitalisms recoking promotion and prediction through the production of th

### INDICATIONS AND USAGE

INDICATIONS AND USAGE
PULMICORT TURBUHALER is indicated for the maintenance treatment of actions as prophylicisc the ray in adult and periatric patients the years of age or cicles. It is also indicated for patients requiring oral conficustancial therapy for authma. Marry of those patients may be able to reduce or reminate their requiriment for oral conficustancials over time:

PULMICORT TURBUHALER is NOT indicated for the relief of scule bronchospasm.

## CONTRAINDICATIONS

PULLIFICATION WHERE IS contraindicated in the primary treatment of status authorations or other acute episodes of sattima where intensive measures are required.

Providing to the PULMICORT TURBURALER 1600 mag daily (800 mag brice daily) for 2 weeks reduced the source (easy-phase reaction) and delayed (late-phase reaction) decrease in PEV, following inhaled allergen challenge. \*\*

The effects of PULMICORT TURBURALER on the hypostralamic-philizary-screen (RPA) axis were studied in 905 actusts and 604 pecilizatio patients with assistants. For most patients, the activity to increase contend produc-tion in response to stress, as assessed by posymbopin (ACTH) stimulation text, remained intext with tion in response to stress, as assessed by cosyntropia (ACIH) situation test, remained intact with PLUMICORT TURBUHALER treatment at recommended doses, for adult patients treated with 100, 200, 400, or 800 mag twice daily for 12 weeks, 4%, 2%, 8%, and 33% respectively, had an abnormal stimulated confusion of the stress o institute configured to 8% of patients treated with placebo. Similar results were bottlined in pediatric patients. In another study in adults, doses of 400, 800 and 1500 meg biodescribe brise dally via PULMICORT-URLS BURMLER for 6 weeks were reamined; 1500 meg brios dally (wice the maximum recommanded dose) resulted in a 27% reduction in stimulated contact (6-hour ACTH-infusion) while 10 mg preduction resulted in a 5% recorded. In this study, no patient on PULMICORT URBNIVALER at doses of 400 and 800-yrog types daily rest the otherian local abnormal attinulated contact response (peak contact of 14.5 meg/oil, assessed by 100d or thoroutography) following ACTH infusion, Autopen-balle, long-lens following of 1133 patients for up to 5.2 weeks confirmed the quintost effect on the HPA axis (both basel and stimulated plasmy contact), or PULMICORT URBNIVALER when administered at recommended doses, in patients who had previously been consistenced-dependent, see of PULMICORT URBNIVALER in recommended doses was associated with higher showledd doses was associated with higher showledge to the property of the prop

inguist imminists controlled the company of the controlled the con CLINICAL TRIALS

the therapeutic efficacy of PULMICORY TURBUHALER has been evaluated in controlled clinical visits incoming many than 1900 patients (5 years and older) with asthma of varying disease duration (<), year to >20 years) and saverily.

Double-blind, parallel, placebo-convolled clinical trials of 12 weeks duration and longer have shown, 8 compand with placebo, PUDMICORT TURBURALER significantly improved lung function (greatered by PEF and EV), significantly decreased morning and evening symptoms of actime, and significantly induced the seed for as needed inhaled pyreponist use at doses of 400 mcg to 1600 mcg per day (200 mcg to 800 mcg. ince duly) in source and 400 mog to 800 mog per day (200 mog to 400 mog twice duly) in pediatric patients

waved tung function (morning PEP) was observed within 24 hours of initiating treatment in both adult and distric patients 5 years of age and older, anhough recommenderefit was not achieved for 1 to 2 weeks, or longer, after standing treatment. Improved tung function was maintained throughout the 12 weeks of the double-bider point on the trials.

Potients Not Receiving Carticosteraid Therapy

Powerful Net asserting Conference and interrupt and the moderate asthms (mean baseline FEV, 2.27 L) who were not well controlled by branchodifators slore, PVLMICORT TURBUHALER was evaluated at coases of 200 mag heirs daily are also do to the roll as shown in this flagor being Rumonary (public in proposed stipnishing on both does not PVLMICORT TURBUHALER.)

and the flagor being Rumonary (public in proposed stipnishing on both does not PVLMICORT TURBUHALER.)

paned with placebox.

Hypersensitivity to budesonide contraindicates the use of PIX MICURT TURBUHALER. WARNINGS

Particular care is needed for patients who are transferred from systemically active contenstensits to PULMICORY TURBURALER because deaths due to advantal insufficiency have occurred in astimatic patients during and after transfer from systemic confederations to less systemically available inheled confconteriors. After withdrawel from systemic corticostantids, a number of months are required for recover of HPA function. .

Patients who have been previously maintained on 20 mg or more per day of presistance (or its squirelent) may be most susceptible, particularly when their systemic condicasteroids have been almost condicated withorawn. During hits period of HPA suppression, patients may exhibit signs and symptoms of atmost insufficiency when exposed to trauma, surgery, or infection (particularly gastroentaritis) or other conditions associated with severe electrolyst loss. Although PULMICORT TURBUHALER may provide common of asshing symptoms ouring these spisodes, in recommended does it supplies less than normal physiological amounts of glucocordicald systemically and does NOT provide the mineralocordicald activity that is necessary for coping with these amemeraties.

During periods of stress or a servere asthmal strack, patients who have been withtrawn from systemic confocutarones should be instructed to resume onel confocutations (in large scores) immediately and in consect their physicians for further lestruction. These patients should also be instructed to carry a medical identification card indicating that they may need supplementary systemic conficustatoids during periods of stress or a severe actings attack. stracs or a severe authora attack.

Transfer of patients from systemic contributeroid thereby to PULMICORT TURBUNALER may immest allergic conditions praviously subpressed by the systemic obtricostantid thereby, e.g., minute, confunctionis, and eccema (see Dosage and Admiristration).

access (see Docume and Administration).

Patients who are no drugs within suppress the Immirine system are more susceptible to infection than healthy inclinidess. Chicken pox and measure, for example, can have a more surface or reven fatal owner in susceptible patients or administration of the contribution of administration in predicting or administration through the table to expect expects, they not be the sea diseases, particular care should be table to expect expects, they have not been been diseased insections from the expection of continuous of the underlying disease nation of the ordering disease that one of the contribution of the underlying disease nation of prior confidentiated treatment to the rich is account known. If exposed, therapy with varicells zootate immune globulin (VZIG) or pooked Intervenous immunocyclobula (VZIG) as appropriate, may be indicated, if exposed to meature, prophylaxis with pooled intramuceusly immunocyclobula (IG) may be indicated; (See the respective package intern for common VZIG and its prescribing information.) It chicken pox develops, trustment with authorial agents may be considered.

\*\*PULMICRAT\*\* INTERPURACES\*\* is not a knock-redisting and incidented for randi related for prochamists in the considered.

PULMICORY TURBUHALER is not a bronchodillator and is not indicated for rapid relief of bronchospasia or smrits to asbosice stuns terms

As with other inhaled estimate medications, branchospaam, with as immediate increase is wherring, may occur inter douby, it branchospaam occurs following decising with PULMICORT TURBUHALER II should be used inmividiately with a hara-strop inhaled branchospaam occurs with PULMICORT TURBUHALER is should be discontinued and atternate therapy instituted.

Patients should be instructed to contact their physician immediately when spisodes of authors and responsive to their sexul does of branchodilaters occiar during treatment with PULMICORT TURBUHALER. During such spisodes, polents may require therapy with oral conficuencies. PRECAUTIONS

Generati Dating withdrawel from oral confocatoraids, some patients may experience symptoms of systemically active confocatoraid withdrawel, and, joint and/or insecular pain, leastholds, and depression, despite mustinance or eyes improvement of respitatory benefits.

## Patient's Instructions for Use

## Pulmicort 2000 ® Turbuhalei 🖢 (budesonide inhalation powder)

Pulmicort Turbuhaler 200 mcg (budesonide inholation powder)

H

Please read this leaflet casefully before you start to take your medicine. It provides a summary of information an your medicine.

And The Control of the

FOR FURTHER INFORMATION ASK YOUR DOCTOR OR PHARMACISE

WHAT YOU SHOULD KNOW ABOUT FULMICORT TURBUHALER"

Your doctor has prescribed Pulmicort Turbuholer 200 meg. It contains a medication called budesonide, which is a synthetic controller (Controller of Controller of Controll that help light inflammation. They used to treat ashma because they reduce the small air passages in the lungs and ease breathing problems. When inholed regularly, conficultenates also help to prevent attacks of asthmo.

Pulmicant Turbuhaler treats the inflam mation-the "quiet part" of ashma that you cannot hear, see, or feel, When inflammation is left untreated, your asihma symptoms and attacks can ingreaser fulmicost Turbuhaier works to prevent and reduce your asthma symptoms and attacks.

# IMPORTANT POINTS TO REMEMBER ABOUT PULMICORT TURBUHALER

MAKE SURE that this medicine is SUITABLE for you [see "BEFORE USING YOUR PUMMCORT TURBUHALER" ; "

12 It is important that you inhale each dose as your doctor has advised. . . .

El Use your Turbunaler as directed by your doctor, DO NOT STOP TREATMENT OR REDUCE YOUR DOSE EVEN IF YOU FEEL BETTER, unless told to do so by your doctor.

DO NOT inhale maie doses or use your Turbuhaler more often than instructed by your doctor.

El This medicine is NOT intended to provide roold-relief of your breathing difficulties during an asthma attack. It must be taken at regular intervals as recommended by your doctor, and not as on emergency measure,

10 Your dactor may prescribe additional medication (such as branchadilptors) for nergency relief if an acute asthmo occurs. Please contact your doctor if:

> on asitimo attack does not respond to the additional medication, > you require more of the additional

medication than usual.

El If you also use another medicine by inholotion, you should consult your dock for instructions on when to use it in relation to using your Pulmicort Turbuhol

# BEFORE USING YOUR PULMICORT TURBUHALER

TELL YOUR DOCTOR BEFORE STARTING TO TAKE THIS MEDICINE:

> Fyou are pregnant for intending to become pregnant,

If you are breast-feeding a baby,

> if you are allergic to budesonide or any other orally inhaled corticosteroid.

In some circumstances, this medicine may not be sultable and your doctor may wish to give you a different medicine. Make that your ductor knows what other medicines you are taking.

## USING YOUR FULMICORT TURBUHALER

> Follow the instructions shown on the other side, if you have any problems, tell your doctor or pharmacia.

> It is important that you inhale so dose as directed by your doctor. The pharmacy label will usually tell you what dose to take and how often. If it doesn't, or you are not sure, ask your doctor or, phormacist.

### DOSAGE

> Use as directed by your doctor.

> It is VERY IMPORTANT that you follow your doctor's instructions as to how many inhalations to take and how onen to use your Pulmicort Turbuhaler.

> DO NOT inhale more dasex or use your Pulmicart Turbuhaler more aren than your doctor odvises:

➤ K may take 1 to 2 weeks ar langu beliere you leel maxirsum improvement IN IT IS YERY IMPORTANT THAT YOU USE POUN DOSE EVEN IF YOU ARE FEELING BETTER, unless told to do so by your doctor.

Il you miss a dase, just take your regularly scheduled next dase when it is due, DO NOT DOUBLE the case.

PULMICORT TURBUNALER will often permit control of assume symptoms with less suppression of HPA TURBUILLER in maximizing Hypers and the second of the support of t TURBUHALER.

Receive of the countribility of systemic appointment of inhalist confirmmentate matterns because with the should be observed curriently for any widence of systemic conficustroid effects. Puricular curr should be taken in observing patients postoperatively or during periods of stress for evidence of integrable to email response.

It is possible that systemic conficustrooid effects such as hypercontictum and adminal suppression may appear in a amali number of pritients, particularly at regital corest, it such changes occur, PLL MICORT TURBUNALER should be reduced slowly, consistent with accepted procedures for management of asthma symptoms and for

A reduction of growth velocity in children or testagers may occur as a result of inadequate control of chronic diseases such as astuma or from use of conticosteroids for treatment. Physicians should closely halow the growth of adorescents laking conticosteroids by any route and weigh the Senetits of conficusteroid therapy and arithms council admiral the bossiphity of champs anobisazion it an admirant, a dioxity abbesis stoned

Although patients in clinical bials have received PLUMICOST TURBUHALES on a continuous basis for periods of 1 to 2 years, the fond-turns local and systemic relects of PLUMICOST TURBUHALES in learning allocates and systemic relects of PLUMICOST TURBUHALES in learning allocates and completely known. In particular, the effects resulting from chronic use of PLUMICOST TURBUHALES on developmental of immismological processes in the smooth, placytic, tracking, and fund are unknown.

Sevelopments of immediate processes in the anomy, praying, usange, are step or immediate in the inclineal trials with PULMICORT TURBURALER, localized intertebons with Canadida ablicant occurred in the mouth and pharyrar in some partients. If one-pharyraged canadidates developed, it should be resided with appropriate local or systemate (i.e., or any antimopal strengy white still continues with PULMICORT TURBURALER has made to be lamourarly interrupted under class medical supervision.

nimited conflicts brokks should be used with contion. If at all, in nationic with action or collectual behavior of the respiratory tract, universited systemic lunger, bacterial, viril or pareable injections; of ocular

Rare instances of glascome, increased intraccular pressure, and cataracts have been reported tollowing the inhaled administration of conticosterputs.

Present commission for Prolimer's for proper use of PULMICORT TURBURALER and to stain maximum improve-ment, the patient should need and lobow the accompanying Patient's learnacions nor lies carefully, in audition, passes being treased with PULMICORT TURBURALER slougly makes to leftwaring information and instructions, This information is Interested to all the patient in the safe and effective use of the predication, it is not a dis-pation of all possible agreement interested affects.

Ments should take the medication as demoted and use PULMICORT TURBUHALER at regular intervals rice daily since its effectiveness depends on regular use. The patient should not siter the prescribed domage unless advised to do so by the physician.

- PULLIFICATI TURBUHALER is not a broadback rate and in not intended to treat scale or Ne-turestering
- episones or exemia.

  PULMICORT UNBOUNDLER must be in the upright position (mouthpiece on top) during loading in order to provide the correct dosc, PULMICOBT TURBUNALER must be primed when the and is used for the very first time. To prime the unit, hold the wall in an epifoli position and jurn the brown grip fully to the right, then fully to the left until it folks. Repeat. The unit is more primed and reasy to load the tirst dose by jurning the grip fully to the right and fully to the left until it clicks.

Dimining as upon uses, it is most necessary to prime the calls. However, it must be loaded in the upright position immediately prior to use. Turn the brown only first to left upon it clicks. During levelation, PLI-MICORT TURBURGLER must be half in the upright (mouthpiece up) or horizontal position, the out-thank the intrale. Place the moistisplece between tips and inhale to inhale and inhale. Place the moistisplece between tips and inhale forcefully and greeny. The powder is then delivered to the lungs.

- Patients should not exhale through PULMICORT TURBUHALER.
- Due to the stead volume of powder, the pasient may not laste or sense the presence of any medication entering the lengts when inhaling from TURBUHALER. This fact of "sensetion" does not indicate that the patient is not receiving baseful from PULIAICORT TURBUHALER.
- Rineang the mouth with return without swelfowing after each dooling may decrease the risk of the development of oral condidicals.
- When there are 20 doess remaining in PULMICORT TURBUHALER, a red mark will appear in the Indicator
- PERLINCORT TURBURALER should not be used with a spaces.

The moutipiece should not be alter or chewid.

The cover should be replaced securely after each opening. Keep PULMICORT TURBUHALER count and dry at all bries.

Improvemental is astimas control following inhalation of PULMICORY TURBUHALER can occur within 24 hours of september pastment bithough maximum benefit may not be schieved for 1 to 2 weeks, or opposed symptoms as not emprove in that bere traine, or of the condition worsens, the patient should be structed to contact the altruician.

rations should be warred to avoid exposure to chicken pox or measies and if they are exposed, in consud eir physicians without delay.

For proper two of PULMICORT YURBUHALER and to attain maximum improvement, the pelloni should read and follow the accompanying Patient's instructions for Usa.

Drug interactioner: In discret studies, concurrent administration of badesonide and other drugs commonly used in the treatment of eathers has not resusted in an increased knowncy of solverse events. Kaloconazole, a potent inhibitor of cytochrome PASS 3A, may increase plasma levels of budesancide during concernitant dolling. The disciscal applications of concernitant dolling, the disciscal applications of concernitant administration of testoconazole with PULMICORY TURBURALES is not known; but causion may be warranted.

Cordinogenesia, Metagernesia, Imperiment of Fertilitys Long-term studies were conducted in mice and rate using oral administration to residate the cardinopenic potential of bedesonide. There was no evidence of a cardinopenic effect when budesonide was administrated graitly for 91 weeks to raice at doses up to 200 mag/to/day (approximately 1-; the maximum recommended harms daily signatures. does on a mcg/m² batts).

does on a morphir cease; in a 104-week continuous truth in Soraque-Dawley rate, a statistically significant increase on the inci-cence of gliomax was observed in male rate receiving oral doces of 50 morphightly (approximately) is the maximum recommended human daily initialities does on a morphir basis); so such changes were seen in mass rate receiving oral doces of 10 and 25 morphir basis) or in formation and in the maximum recom-mentors human daily inhalation does on a morphir basis) or in formate rate at oral doces up to 50 morphightly (approximately is, the maximum recommended human daily inhalation dose on a morphir basis).

Two additional 184-week carcinogenicity studies have been parformed with ocal busesonies at doses of 50 mcg/sq/day (approximately  $V_0$  the maximum recommended burnan daily intrabilities do dose on a mcg/sr/basis) in mate Sprague-Cawley and Fischer rate. These studies did not demonstrate an increased pilone incidence in budestoning tested primals as compared with concurrent control or retrained confrost produced from the following and transferred confrost produced with concurrent confrost, a statistically significant increase in the incidence of hepatocabular tumors was observed in all three starcial groups The incidence of common adverse events is based upon double-blind, placebo-controlled US clinical trials in

The inclosures of company anymer events in based upon double-blad, placebe-concreted US chinical traits in which 1,116 addit and pediatric patients age 6-70 years (472 farmates and 644 makes) were traited with PULIDOCAT TURBURALER (200 to 800 more which early 10 to 20 weeks) or placebo.

The telephone table shows the locatorics of several events in patients previously, presiding bronchost story and/or inhalted conflooraterists in US commoded clinical traits. This population included 232 main rule and 254 facilities. 82 termale published putients (age 6 to 17 years) and 332 male and 331 female; adult patients (age 18 years and ouester!

Adverse Events with 2 3% Incidence reported by Patients on PULMICORT TURBUHALER						
	Placebo Mn284 %	PULMICGRT TURBUHALER				
Adverse Event		200 mcg twice daily N=286	400 mog hvipe dally N=289	800 mcg frica daily N=98		
Respiratory System		,		100		
Respiratory intection Pharyngitte Sinuside Voice attenution	17 0 7	20- 10- 11	24 9 7 2	1# 5 2		
Body As A Whole		:		1		
Headache Flu syndrome Pain Back pein Fever	7 6 2 1 1 2	14 f S 2 2	13 6 5 3	14 14 5 6		
Digestive System		I	1			
Oral candidisals Dyspaptia Gastroenteritis Nouses	2 1 2	2 1 1 2	2 2	3		
Average Duration of Exposure (days):	. 59	79.	. 80	80		

The table above includes all events (whether considered drug-states or con drug-stated by the severageous) that occurred at a rate of 23% in any one PULMCORT TURBUHALER group and were more common time in the placebo group, in considering these stat, the increased everage duration of exposure for PULMCORT TURBUHALER potents should be taken the account.

for PULLMCORT TURBURALER paperts should be taken and account.

The informing other adverse events occurred in these clinical Inhia being PULLMCORT TURBURALER with an incidence of T is 3% and were hours content on PULLMCORT TURBURALER than on placebor.

Body As A Myole: neck pish
Gardovascists, pyrocos
Dipastive labilitating pain, dry mouth, varieting
Metabolic and Nutrificast: weight gain
Munculcabaletat: factir s, mystola
Narousz hypertonia; inspraina
Phishal, Bleeding met Gottlage
Physiciatics: (inspraina
Physiciatics) Me the second of the second of

Presistance Mechanisms: Infection Special Servers tusts perversion

Presidence Mechanisms: Intention

In a YSD week that in adult extinisation who previously required and confocutarioids, the effects of PULLMOORT TURRUHALER 400 month with great part of the Pullmoort TURRUHALER 400 month with great part of the Intention (In-SS) and 800 month with stay (IM-SS) week what have considered drug-related or non-strop-related by the Investigations, resported in more than three patients in. the RUMMOORT TURRUHALER man placebo are shown below (% PULMCORT TURRUHALER and % placebo), in considering these data, the Increased every studies of exposure for PULMCORT TURRUHALER patients (16 days for PULMCORT TURRUHALER and % placebo), in considering these data, the Increased every studies of exposure for PULMCORT TURRUHALER patients (16 days for PULMCORT TURRUHALER and %).

Soly As A Whore Exthesis (5% and 5%) beautiful (15% and 25%) pain (10% and 25%) oral conditions (15% and 05%), septimbory infection (12% and 25%).

Respiratory: cough hidrasted (RN and 2%)
respiratory infection (R2% and 13%)
ribblist (RN and 25)
septimizer infection (R2% and 13%)
ribblist (RN and 25)
Resilication Studiest In a 12-west piscebo-controlled stal in 404 pedatric patients 6 to 18 years of apa presidually maintained on inhabled confocusionists. The Imquestry-et adverse events for each age-category
(5 to 12 years, 13 to 19 years) was comparable for PULMACORT TURBURULER (82, 100, 200, and, 400 and
there shall place the new even or chincity fellows afternoone in the patient or severity of adverse
results in children comparated with those reported in adults.

events in children compared with those reported in adults.

Adverse Event Reports From Other Sources: Rise servers events reported in the published lilerature on term marketing experience include: Immediate and despret hypersensitivity reactions including report comments of immediate and including resolution are ministed, or including another and bronchespasm; symploses of hyperochicam and hyperconfection professions; professions; symploses of hyperconfection and hyperconfection, temploms including depression, expressive reactions, initiability, sensity and psycholate.

OVERDOSAGE.

The potential for acute tasks effects following overdone of PULMICORT TURBUHALER it loss if used at secessive design for pricinguid, periods, systemic confocutations global satisfacts such as hypercordison may occur in see PERCAUTIONS; PLANIFORM TOWN THE AT THIS PLANIFORM TOWN THE PULL OF THE GOOD STATES AND ACT OF THE STATES AN

50% reduction as del planta cortagi responsa to ACPH.

The relinital blastation leital dosa in mice with 100 mg/nc (approximately 250 tames the maximum' recommended human daily inhalation dosa on a mccylm' basis). Their were no deaths following the aeministration of an inhalation dosa of 68 mg/nc in rats (approximately 345 times the maximum necommended human casy inhalation dose on a recognit basis). The minimized oral leital dose was 200 mg/nc in rats (approximately 500 times the maximum recommended human daily inhalation dose based on a mcg/nr' basis).

DOSAGE AND ADMINISTRATION

PULMICORT TURBURALER should be administrated by the orally inheled routs in estimated patients age is years and older, individual patients will experience a variable casel and rategiate of symptom, radial, Generally, PULMICORT TURBURALER has a relabively rapid operat of action for an inhaned conficient in improvement in a sathman control Latitude patiential exact actions of PULMICORT TURBURALER can occur within 24 hours of indication of treatment, although meaning and the activities of the 2 weeks, or longer the stately and efficacy of PULMICORT TURBURALER when soministanted in excess of incommended doses have not been established.

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(bucesonice, prednisolons, trambindione actionics) in these studies.

The mutagenic potential of budesonide was evaluated in six different test systems; Ames Salmoneita/microsome pate sest, mouse micronucleus test, mouse lymphone lest, chromostine abertation test in hieraen lymphocytes, sax-finiard recessive lethal test in Drosophila melanogassar, and DNA repeir analysis in ret heratocyte cultum. Budeatonice was not multagenic or classiogenic in any of these tests.

The effect of subcetaneous bucesonide on femility and general reproductive performance was studied in rate At 20 mog/kg/day (approximately V<sub>18</sub> the mildmum recommended human daily inhalation dots on a mog/m

At 20 mcg/kg/day (approximately /kg the miximum micrommenced human daily lobableon doze on a mcg/m² basas), decreases in maternat body weight gein, prantail vitability, and vitability of the young at bith and during lactation were obstroed. He such effects were noted all \$\inc\text{singly} (approximately \forallow\) \text{with \$\infty\$ is maximum recommended luman stally invaluation dose on a mcg/m² basis).

Pregnoney: Tear shogenic. Effects: Pregnancy Category: C. As weldt; other plucocorricoids, budstonide produced itall loss, accessed by us whigh and substall adhormatises at subcurrances opera of \$2\$ mcg/mg/mg (approximately \forallow\), the medimum recommended human daily jegislation dose on a mcg/m² basis) in nabble, and \$300 mcg/ta/day (approximately 2 /kg times the maximum recommended human stally invalid on the mcg/m² basis) in production of the mcg/m² basis in producti

No terratopenic or embryocidal effects were observed in rats when budesonide was administered by inhala, from at dozen 100 to 250 mcp/roddsy (approximately 1/4 to 11/4 times the museum mentance at amount of any inhalation doze on a month.

dally inhalation dose on a mografi basis).
There are no adequate and wall-controlled studies in programs women. Budesonade should be used during programsy only it the potential beautiful statisms the potential risk to the fetus.

Experience with one conforestroids since their introduction in pharmacologic as objected in physiologic doses suggests that rodents are more prone to tensogenic effects from conductor roles than humans.

Nonhershogenic Effects: hysosthensiem may occur in intants bost of mothers receiving carticles ouring prepared. Such intents should be carefully observed.

Nursing Mothers: Corticasterolds are secreted in human milk. Secause of the potential for edverse reactions in nursing interits from any corticosteroid, a decision should be made whether to discontinue mursing or discontinue the orag, taking into account the importance of the drug to the mother. Actual data for

Pacificative Uses: Salety and effectiveness of PULLANCORT TURBUHALER in packatric patients believe 6 years of age have not been established.

age now not used an extensional to a proposity of adversal events observed with PULMHCORT TURBUHALER was similar between the 6- to 12-year age proup (N=172) compared with the 13- to 17-year age proup (N=124).

Yal cardioosteroids have been shown to cause growth suppression in pediatric and adolescent patients, pur--ulary with higher doses over extended periods. If a pediatric or adolescent patient on any contious moid surs to have growth suppression, the postability that they are particularly senditive to this effect of conf-judgeds should be considered (see PRECAUTIONS).

Geniotric Uses One kundred patients 65 years or older, were included in the US and non-US controlled clinical trials of PULMICORT TURBURALER, There were no differences in the safety-and efficulty of the drug compared in those seen in vouncer patients. ADVERSE REACTIONS

The following adverse reactions were reported in patients treated with PULMICORT TURBUHALER.

The recommended starting dose and the highest recommended dose of PLELACORT TURBULALER, based on order astrona theorem are failed to the following trivial

4:	Previous Therapy	Recommended Starting Does	Highest Desp	
Adults:	Brenchodilators delle labaled Conficensissias Onel Conficeptimales	2003 to 400 may three daily 2003 to 400 may three daily 400 to 800 may turks daily	. BOD mas twice dally	**4.1%
eng man <sub>and</sub> Pagana kana	Bronchadletors alone Inhaled Certicostanoids Cral Conticostanoids	200 mag pulca daily 200 proc being daily or The Mighest recomme	400 may be'ay daliy 400 may beras daliy sollal dose in childres	W /

Patients Maintained on Chronic Oral Carticas roids IC

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Platients Mointeined on Chronic Oral Europeanawoodd 12.

Wittibly, PubMiCORT TURBUHALER should be itself-bioteanwoodd 12.

Wittibly, PubMiCORT TURBUHALER should be itself-bioteanwoodd 12.

In spatient of the particle of the particle of the particle of the particle corticolaries of systemic corticolaries as started by reducing in the sponsor of the particle of the particle of the systemic corticolaries is started by reducing on the isabona of the patient's familiary, thiele depotements should not actual 0.2 mg of particularies of the subvision of the isabona or taxon or test of withdrawal's althoughty recommended: During individual or operational patients of the subvision of the NOTE: to all patients it is deprayed to strate to the lowest efficieve does once autima stability is achieved.

Patients smould be instructed to prime PULMICORT TURBUHALER prior to its Initial use, and instruction to inhale deeply and forcefully each time the unit is used. Alreing the mouth after inhale long is also recommended. Directions for Use: illustrated Patient's Instructions for Use accompany each package of PULLISCORT

HOW SUPPLIED

PROM SUPPLIED
PULLMICHT TURNSUMALER consists of a number of assembled pleased details, the main pairs being the dealing mechanism, the storage unit for drug substance and the mouthpiece. The breaks is protected by a white easie aboute cover screwed onto the larguer. The body of the inhaler is white and the bursies girls is strong. The lockwaring working be prised on the tings is reliated lettering. Successful 2000: TURNUMLER cannot be rediled and should be discarded when empty.

PULINCORT TURBUHALER is available as 200 picty/doss 200 doss's. Processors Turbelliation is available as 200 inclusions, 200 does 1.
Store at combrolled from immorrance 2010 to 2510 (681) in (717) (see USP).

ASTRA Arra USA, Inc., Washorough, MA 01581

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## HOW TO USE YOUR PUBLICATIONS TO THE PUBLIC T

Read the complete instructions corefully and use only as directed. BEFORE YOU USE A NEW PULMICORT TURBUHALER

Before you use a new Pulmicort surbuhaler for the first time, you should time it. To do this, turn the cover and lift off. Hold Pulmicort Turbuholer upright hith mouthpiece upt, then twist the wan grip fully to the right and back sin to the left. Repeat. Now you are eady to use it. You do not have to prime any other time after this, even if you put isside for a prolonged period of time.

COLOW THE INSTRUCTIONS BELOW: II LOADING



A DOSE > Twist the cover and lift off

≻ in order to pro dose, Pulmicort Turbuhaler <u>must</u> be held in the

upright po a dase of medication is being loaded. > Twist the brown grip fully to the right as for as it will go. Twist it back again fully to



🗠 You will hear,a . 🀔 click.

➤ Turn your head away from the inhaler and breathe out. Do not blow or exhale into the inhaler. Do not shake the inhale after loading it.



ENINHALING THE DOSE:

≻ When you are inholing: Pulmicont Turbuholer must be held in the upright lmoutholece uplica

Place the mouthpiece between your lips and inhale deeply and forcefully.

> If more than one dose is required, fust repear the steps above.

➤ When you are finished, place the power back on the inhaler and wist shut. Rinse your mouth with water. Do not swallow. ➤ Keep your Pulmicort Turbuhaler clean and dry at all times.

# STORING YOUR PULMICORT TURBUHALER

> After each use, place the white cover back on and twist it firmly Into place.

➤ Keep Pulmicort Turbuhaler in a dry place at controlled room temperature, 68' to 77'F (20' to 25'C). ➤ Keep your fulmicon Turbihates out of the reach of young studdren. > DO NOT use affer the date shown on the body of your Turbuhaler,

# HOW TO KNOW WHEN YOUR PULMICORT TURBUHALER IS EMPTY

THERE ARE 200 DOSES IN EACH FULLARCORT TURBUHALER.
Your Pulmicort Turbuhaler has a con-

7 144 C

venient dose indicator window just below the mouthpiece.



1 and the second

➤ When a red mork appears at the top of the window, there are 20 doses of remainina. Now is the time to get your next Turbuhaler.

When the rad mark reaches the bottom of the window, your inhaler is marry. Decard it, (you may still hear a sound if you shake it—this sound is not the medicine. This sound is produced by the drying agent inside Turbuhaler.)

> Do not immerse it in water to find out

there was a second out to find out

there was a second out to find out if it is empty. Simply check your dose indicator window.

# FURTHER INFORMATION ABO FULMICORT TURBUHALER

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> Pulmicant Turbuholer should not be used with a spacer.

> Pulmiçãn Turbuhaler contains any budesaride and does not contain any

inactive ingredients.

Numbcot turbulear is specially designed. to deliver only anaronse of a time, no how often you dick the brown grip. If you accidentally blow into your inhaler other ... loading a dase, simply follow the instructions for loading a new date:

This leaflet close not contain the complete Information about your medicine. If you have any questions, or are not sure about ing, then you should ask your doctor

Community, stem you assume the property of the stemper open.
You story worst to model this stemper open.
Please DO NOT INSOW IT AVAILABLE WHO you make your medicine.

The standard your medicine has been accurated that medicine has been hors frushed your medicine. It is the MACE. This medicine has been prescribed for you by your doctor DONOT give his medicine to onyone like. USETHS PRODUCT AS DIRECTED, UNLESS:
INSTRUCTED TO DO OTHERWISE BY YOUR
DOCTOR

If you have further questions about the use of
Pulmoon furtherings, and
1-800-343-4777

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